

Project Name: LOC
Project Code: LOC **Site ID:** B945 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	K.J. Smith	Locality:	
Date Desc.:	//	Elevation:	No Data
Map Ref.:	Sheet No. : 9342 1:100000	Rainfall:	0
Northing/Long.:	152.491666666667	Runoff:	No Data
Easting/Lat.:	-27.670277777778	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Conglomerate

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	4.4 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dy3.42
		Great Soil Group:	Solodic soil

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.06 m	Very dark grey (10YR3/1-Moist); ; Fine sandy loam (Light); Weak grade of structure, Subangular blocky; Dry; Very weak consistence; Field pH 5.5 (pH meter); ManyClear change to -
A2	0.06 - 0.35 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/1-Dry); ; Sand; Massive grade of structure; Dry; Strong consistence; Few (2 - 10 %), Ferruginous, , Nodules; Field pH 6 (pH meter); FewAbrupt change to -
B21	0.35 - 0.55 m	Strong brown (7.5YR5/6-Moist); , 10YR52, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Soft segregations; Field pH 6.3 (pH meter);
B22	0.55 - 0.6 m	Strong brown (7.5YR5/6-Moist); , 10YR52, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, , Soft segregations;
	0.6 - 0.8 m	Strong brown (7.5YR5/6-Moist); , 10YR52, 20-50% , 0-5mm, Distinct; , 10YR71, 20-50% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, Subangular blocky; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, , Soft segregations;
	0.8 - 0.92 m	Strong brown (7.5YR5/6-Moist); , 10YR52, 20-50% , 0-5mm, Distinct; , 10YR71, 20-50% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, Subangular blocky; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Many (20 - 50 %), Manganiferous, , Soft segregations; Clear change to -
C	0.92 - 1 m	Grey (5Y6/1-Moist); , 10YR58, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Sandy medium clay; Massive grade of structure; Moderately moist; Weak consistence; Few (2 - 10 %), Ferromanganiferous, Medium (2 - 6 mm), Nodules; Field pH 7.5 (pH meter);
	1 - 1.2 m	Grey (5Y6/1-Moist); , 10YR58, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Sandy medium clay; Massive grade of structure; Weak consistence; Common (10 - 20 %), Ferromanganiferous, , Nodules; Field pH 8 (pH meter);

Morphological Notes

Observation Notes

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WAS LV234:

Site Notes

LOCKYER

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	5.6A	0.088A	1.6J	7.3	0.1	4.2		10.5F	40.00
0.1 - 0.3	5.6A	0.033A	2.9J	1.8	0.1	0.1		4.4F	2.27
0.3 - 0.6	6A	0.198A	5.6J	12.3	0.1	7.6		21.2F	35.85
0.6 - 0.9	6.3A	0.366A	3.1J	8.4	0.09	5.1		18F	28.33
0.92 - 1	6.8A	0.44A	2.4J	8.9	0.1	5.2		12.7F	40.94
0.9 - 1.2	6.9A	0.462A	4.9J	11.2	0.1	6.6		18.4F	35.87

[illegible][illegible]

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Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_CEC	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F2_AL	Extractable Al(%) - Silver Thiorea
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension